

August 16, 2004
Louisville, MSA 8-Hr & 1-Hr Ozone Monitoring Report
for
2000-2004
(Data are not quality assured)

Table 1: 2004 8-Hr and 1-Hr Ozone Monitoring Summary Report

- 8-hour exceedances - 1 exceedance with highest 93 ppb at BA (8/03/04)
- 1-hour exceedances - 0 exceedance with highest 109 ppb at BA (8/03/04)

8-Hour FCST / Max. ppb	1-hr Exc	# of Day with 8-hr Exc	Date	Charlestown (CH) Clark County, IN		New Albany (NA) Floyd County, IN		Bates (BA) Jefferson County, KY		Watson (WS) Jefferson County, KY		WLKY-TV (WK) Jefferson County, KY		Buckner (BK) Oldham County, KY		Shepherdsville (SH) Bullitt County, KY		# O A D
				8-hr	1-hr	8-hr	1-hr	8-hr	1-hr	8-hr	1-hr	8-hr	1-hr	8-hr	1-hr	8-hr	1-hr	
91/93	0	1	08/03/04	65	71	65	71	93	109	71	76	67	75	61	68	N/A*	N/A*	1
Total-1 days With 1 Exceed- -ance	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1

Notes: A 1-hour average of 125 ppb or greater exceeds the old ozone standard; an 8-hour average of 85 ppb or greater exceeds the new ozone standard. OAD: Ozone Action Day. FCST – Forecast. Bold – 8-hour or 1-hour observational/forecasted exceedances. Underlined – Louisville, MSA highest 1-hour and 8-hour readings. * Instrument malfunction – data not available.

Table 2: Louisville 1996 – 2004 1-Hr Exceedance Summary

Year	Charlestown	New Albany	Bates	Watson	WLKY-TV	Buckner	Shepherds- ville	Total Exceedances For Louisville, MSA
1996	0	1	0	1	1	0	0	3
1997	3	2	1	0	0	2	1	9
1998	3	2	2	1	1	1	0	10
1999	0	0	0	0	0	1	0	1
2000 ¹	0	0	0	0	0	0	0	0
2001	0	0	0	0	0	0	1	1
2002	0	1	0	0	0	0	1	2
2003	0	0	0	0	0	0	0	0
2004	0	0	0	0	0	0	0	0

¹ Louisville, MSA achieved the 1-hour ozone standard

Table 3: Louisville 1998 – 2004 8-Hr Exceedance Summary

Year	Charlestown	New Albany	Bates	Watson	WLKY-TV	Buckner	Shep.	Louisville MSA Total		Jefferson County Total	
								Exceedances	Days	Exceedances	Days
1998	22	14	10	11	7	12	12	88	30	28	15
1999	11	10	16	13	4	34	11	99	44	33	22
2000	4	0	5	1	3	4	2	19	10	9	6
2001	4	0	2	1	1	4	2	14	10	4	3
2002	17	13	4	15	7	12	10	78	26	26	19
2003	4	4	1	0	0	2	0	11	7	1	1
2004	0	0	1	0	0	0	0	1	1	1	1

Table 4: 8-Hr Ozone 4th Maximum and Design Values Summary (8/16/04)

Year	Louisville, MSA	Charles-town	New Albany	Bates	Watson	WLKY-TV	Buckner	Shepherds-ville
8/16/2004	71	69	67	70	68	67	71	63
2003	90	90	86	67	75	73	82	72
2002	100	100	97	85	96	88	91	91
2001	86	86	76	81	81	77	86	82
2000	90	85	77	90	76	84	85	82
1999	103	89	94	97	100	86	103	93
99-01 Avg.	91	86	82	89	85	82	91	85
00-02 Avg.	90	90	83	85	84	83	87	85
01-03 Avg.	92	92	86	77	84	79	86	81
02-04 Avg.	86	86	83	74	79	76	81	75

Bold –Design Value Sites for respective periods.

8-Hr NAAQS: Attainment of the 8-Hr Ozone National Ambient Air Quality Standard (NAAQS) at an individual monitor is achieved when the three-year average of the annual fourth-highest daily maximum (4th maximum) 8-hr average ozone concentrations is less than or equal to 84 ppb. This three-year average is the design value for that monitor.